

09-19-02 2877 2

IN THE U.S. PATENT AND TRADEMARK OFFICE



09767104
In re Application of: GUPTA, et al.

Publication Number: 20020097397

Filed: 01/22/01

For: **PORTABLE LII BASED INSTRUMENT AND METHOD FOR
PARTICULATE CHARACTERIZATION IN COMBUSTION EXHAUST**

Assistant Commissioner for Patents

US Patent and Trademark office

Washington, D. C. 20231

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THIRD PARTY SUBMISSION IN PUBLISHED APPLICATION UNDER 37 CFR §1.99

Listed below on the attached Form PTO-1449 is information believed to be relevant to published U.S. Patent Application Number 20020097397, published July 25, 2002. This submission is made within two months of the publication date of the above identified application and includes the following:

- 1.) The fee set forth at 37 C.F.R. §1.17(p);
- 2.) A list of the patents and/or publications submitted for consideration by the Office and including the dates of publication of each document; and
- 3.) A copy of each listed patent and/or publication accompanying this submission.

A copy of each of the listed publications was previously sent, by certified mail, to the representative of the applicant in published U.S. Application Number 20020097397 on September 20, 2002 addressed to:

J. Pennington, 535 North Michigan Avenue, Unit #1804, Chicago, IL 60611.

☐ The Commissioner is hereby authorized to charge Deposit Account No. _____ in the amount of \$ 180.00, or the amount which is currently applicable for the fee required under 37 CFR §1.17(p).

Or

☒ A check in the amount of \$ 180.00 is enclosed for the fee required under 37 CFR §1.17(p).

The PTO did not receive the following
listed Items(s) A check of \$ 180.00

Respectfully submitted,



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Attachment: PTO 1449
Copies of Cited References
Return Receipt Postcard

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U. S. Postal Service on **SEPTEMBER 16, 2002** in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number _____ US , addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit: _____

William D. Bachalo, Ph.D.



Signature

"Express Mail" Mailing Label No. EU 714536053 US



LIST OF PATENTS AND PUBLICATIONS IN PORTABLE LII BASED INSTRUMENT AND METHOD FOR PARTICULATE CHARACTERIZATION IN COMBUSTION EXHAUST	Serial Number: 09/767,104 Applicant: GUPTA, t al. FILING DATE: 01/22/01
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REFERENCE DESIGNATION

Ex'r Init		U.S. Patent Documents				Sub	
		Document No.	Date	Name	Class	Class	File Date (when applicabl)

AS |AA| 6,154,277 |11/00| SNELLING,et al. |356| 338
|AB|

Ex'r Init		Foreign Patent Documents				Sub		Translation?	
		Document No.	Date	Name	Class	Class	Yes	No	

|BA|

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
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AS |CA| Pinson, J.A.; Mitchell, D.L.; Santoro, R.J.; Litzinger, T.A.; "Quantitative, Planar Soot Measurements in a D.I. Diesel Engine Using Laser-induced Incandescence and Light Scattering" SAE Technical Paper Series #932650
SAE International Fuels and Lubricants Meeting and Exposition Philadelphia, PA
October 18 – 21, 1993, pp 1 – 12

AS |CB| Ni, T.; Pinson, J.A.; Gupta, S.; Santoro, R.J.; "Two-dimensional imaging of soot volume fraction by the use of laser-induced incandescence"
Applied Optics, vol. 34, no. 30, October 20, 1995 pp.7083 – 7091

AS |CC| Schraml, S.; Heimgärtner C.; Will, S.; Leipertz, A; Hemm A.; "Applicantion of a New Soot Sensor for Exhaust Emission Control Based on Time Resolved Laser Induced Incandescence (TIRE-LII)," SAE Technical Paper Series #2000-01-2864
SAE International Fall Fuels and Lubricants Meeting and Exposition Baltimore, MD
October 16 – 19, 2000, 10 pages

AS |CD| Internet Web Site www.esytec.de/englisch/lisa_eng.html "Laser Induced Incandescence Soot Analyzer" last updated 23.4.00 by webmaster; 2 pages

AS |CE| Snelling, David R., Smallwood, G.J., Sawchuk, R.A., Neill, W.S., Gareau, D., Chipior, W.L., Liu, F., and Gulder, O.L., "Particulate Matter Measurements in a Diesel Engine Exhaust by Laser-Induced Incandescence and Standard Gravimetric Procedure," SAE Technical Paper Series 1999-01-3653, SAE International Fall Fuels and Lubricants Meeting, Toronto, ON, Canada, October 25-28, 1999, 9 pages.

Examiner:	Date Considered: 6/1/03
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